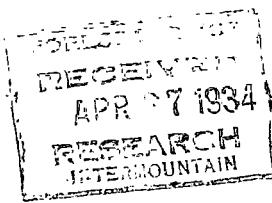


U. S. Department of Agriculture - Forest Service  
 CENTRAL STATES FOREST EXPERIMENT STATION  
 Columbus, Ohio



Station Note  
 No. 10

April 12, 1934

A BLACK LOCUST VOLUME TABLE  
FOR CONTENTS IN BOARD FEET

Plantation BLACK LOCUST  
 (Robinia pseudoacacia, Linn)  
 Central Hardwood Region

L. F. Kellogg

1934

Scribner Rule  
 8" Top D.I.B.

| Diameter<br>Breast<br>High<br>(o.b.)(i.b.) | Inches | Total Height in Feet |    |     |     |     |     | Basis:<br>No. of<br>Trees |
|--|--------|----------------------|----|-----|-----|-----|-----|---------------------------|
|  |        | 40                   | 50 | 60  | 70  | 80  | 90  |                           |
| Volume in Board Feet                       |        |                      |    |     |     |     |     |                           |
| 10   | 8.4    | 10                   | 10 | 10  | 10  | 10  | 10  | 5                         |
| 11   | 9.3    | 18                   | 19 | 21  | 25  | 32  | 42  | 22                        |
| 12   | 10.2   | 35                   | 38 | 42  | 48  | 57  | 71  | 18                        |
| 13   | 11.0   | 52                   | 55 | 59  | 66  | 79  | 97  | 8                         |
| 14   | 11.9   |                      | 73 | 79  | 88  | 103 | 126 | 6                         |
| 15   | 12.8   |                      |    | 97  | 107 | 126 | 155 | 5                         |
| 16   | 13.6   |                      |    | 117 | 130 | 153 | 189 | 4                         |
| 17   | 14.5   |                      |    | 139 | 155 | 181 | 225 | 5                         |
| 18   | 15.4   |                      |    | 160 | 176 | 209 | 260 | 4                         |
| 19   | 16.2   |                      |    | 179 | 200 | 237 | 285 | 4                         |
| 20   | 17.1   |                      |    | 200 | 223 | 262 | 325 | ---                       |
| Basis:                                     |        |                      |    |     |     |     |     |                           |
| No. of trees                               |        | 1                    | 9  | 9   | 29  | 21  | 12  | 81                        |

Trees measured by the Central States Forest Experiment Station in Indiana, Illinois and Ohio. Stump height 1.0 ft. Top diameter inside bark 8.0". Scaled as 12-ft. log lengths with trimming allowance of 0.3 ft. Additional top sections scaled as fractions of a 12-ft-8.0" log. Aggregate deviation: Chart is 0.36% low. Average percentage deviation on 74 trees, 12.0%. Block indicates extent of basic data. Prepared by the alinement chart method.

This is the third of several volume tables for plantation black locust. As other tables are completed, they will be issued immediately in this form in order to avoid delay in making them available for use.